ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Cherrry Kenney	**11/4/02**	02-0972	-	301-883-4177	3402D	DEV/CO

8. CCR Title: Patch_6A.07_AODE.01C

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 01Nov02
/s/ Cherry Kenney 11/01/02	**II**	**CCR**	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
/s/ Janine Smith 11/01/02	Initial ECS Baseline Doc.	Emergency

16. Documentation/Drawings Impacted *(Review and submit checklist):*	17. Schedule Impact:	18. CI(s) Affected: DMS, PDPS (ODPRM, DPS), CSS (Registry)

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
6A	02Nov02	None - Under 100K

22. Source Reference: ☒ NCR (attach) ☐ Action Item ☐ Tech Ref. ☐ GSFC ☐ Other:
See Attachment

23. Problem: (use additional Sheets if necessary)
See Attachment

24. Proposed Solution: (use additional sheets if necessary)
Deliver Patch_6A.07_AODE.01C.

25. Alternate Solution: (use additional sheets if necessary)
ASTER On-Demand via Edge capability would not be delivered 6A07 scheduled delivery.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
6A.06 will not have the ASTER On-Demand via Edge capability.

27. Justification for Emergency (If Block 15 is "Emergency"):
Landover has completed designing the ASTER On-Demand via Edge capabaility and requested early deliver to EDC DAAC.

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☒EDC ☐ GSFC ☐LaRC ☐NSIDC ☐SMC ☐AK ☐JPL ☐EOC ☐ IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): /s/ Steve Fox 11/4/02	**Disposition:** **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): /s/ Pam Johnson 11/4/02	**Disposition:** **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

CM01JA00 Revised 8/2/02   ECS/EDF/SCDV/M&O

ADDITIONAL SHEET

CCR #: 02-0972   **Rev: - Originator:** Cherry Kenney

Telephone: 301-883-4177   **Office:** 3204D

Title of Change: Patch_6A.07_AODE.01C

Actions

ClearCase Group(CSG):

Please make these tar files from the 6A07 baseline:

Please Make a SOL8 (sun5.8) tar file with the following packages:
.EcDpAITWS.pkg
.EcDpPrPLNMGMTWS.pkg
.EcDpPrQUESRVR.pkg
.EcPlDatabase.pkg

.EcPlPLNMGMTWS.pkg
.EcPlQUESRVR.pkg
.EcPlODPRM.pkg
.EcClOdAsterOnDemand.pkg
.EcDmINTFCSVR.pkg
.EcCsRegistryGUI.pkg

One IRIX65 tar file with the following footprint:

.EcCsRegistry.pkg

Please name this tar file Patch_6A.07_AODE.01C

Block 22 & 23 from Page 1

The following OPS NCRs are delivered with this patch:

EDC NCRs:
ECSed35145 OPS_IDG 2 T EDC DAAC Multi items in registry gui are not ordered properly
ECSed35780 OPS_IDG 2 T EDC DAAC Incorrect size for NodeID field in registry utility script library

LaRC NRCs:
ECSed34880 OPS_DMS 2 T LaRC DAAC DDMT DataCenterID is not DAAC-ECS
ECSed20578 OPS_DPS 3 T LaRC DAAC Non-Standard Log Names for EcDpPrQaMonitorGUI
ECSed24296 OPS_DMS 3 C LaRC DAAC Unreadable screen for DMS Maintenance Tool
ECSed30911 OPS_DPS 3 T LaRC DAAC 5B.07 PRE audible indicator that DPR has created
ECSed34306 OPS_DPS 2 T LaRC DAAC Unable to Insert PGEExe tar file after install of PDPS.03
ECSed35237 OPS_PLS 3 T LaRC DAAC EcPlWbDebug.log cannot be "viewed"/read

NSIDC NCRs:
ECSed34926 OPS_SDSRV 2 T NSIDC DAAC Date discrepancies in ECS ODL
ECSed35722 OPS_DMS 2 T NSIDC DAAC 6A.06_DMS.08 PDS order failing for ESDT data type with subsetting config

VATC, PVC, and EDF NCRs
ECSed35743 OPS_INSTALLATION 5 T VATC V0 Gateway was unable to be started using the Registry
ECSed34961 OPS_DMS 3 C EDF odl lib has memory corruptions
ECSed32370 OPS_PLS 2 C EDF PDPS/PLS: GIParameterList not being deleted properly in PLS code causing
ECSed34997 OPS_PLS 5 C EDF 508: ASTER On-Demand Processing Request web site section 508 update
ECSed34967 OPS_PLS 2 C EDF OdMgr: E-mail message to the ECSOperator must have detailed information.

The following NCRs were delivered in previous TEs for DMS:

TE_6A.06_DMS.05
ECSed34838 OPS_DMS 2 C EDF Integrated Browse Request needs to be sent as a high priority request.
ECSed34038 OPS_DMS 5 V GSFC DAAC GSFC/SMC - Question about null order status in MSS database

ECSed34840 OPS_DMS 2 C EDC DAAC 6A.06:DMS.04B:Floating Scene single Path/Row searches do no
ECSed34747 OPS_IDG 2 C EDF Enhancements for caching of subset options.
ECSed34848 OPS_IDG 2 C GSFC DAAC GSFC/SMC: EcDmVoToEcsGateway Server Cores During Searches i

TE_6A.06_DMS.06
ECSed34809 OPS_DMS 2 V NSIDC DAAC Not All Subsetted Request Received When Subsetted/Non-subsetted In Order
ECSed34947 OPS_DMS 2 C PVC Missing subsetting information
ECSed34948 OPS_DMS 2 T NSIDC DAAC Total order size not being sent to HSA
ECSed35020 OPS_DMS 2 C EDC DAAC ALL modes:ASTER Billing: V0Gtwy notsplitting billable & no

TE_6A.06_DMS.08
ECSed35248 OPS_DMS 2 T NSIDC DAAC 6A.06_DMS.06 V0ToEcsGateway generating incorrect ODL for HS

The following NCRs were delivered in previous TEs for PLS:
TE_6A.06_PLS.03
ECSed35166 OPS_PLS 2 C PVC OnDemand Transactions Blocked by SYBASE PID
ECSed35361 OPS_PLS 3 C EDF DB table PlOnDemandStore is not affected by EcPlDbSave & EcPlDbReset scr
TE_6A.06_PLS.04
ECSed35519 OPS_PLS 2 T EDC DAAC 6A.06:EDC: AST14DEM On-Demand products going Aborted in OdMgr
ECSed35521 OPS_PLS 2 T EDC DAAC EDC:6A.06_PDPS.02B: OdMgr core dumps when there is 100M_DEM input

PRELINSTALLATION:

1. Copy the *irix65* tar files into the <staging_area>/IRIX65 directory

2. Copy the *sun5.8* tar files into the <staging_area>/SOL8/ directiory

3. Using the Setup.ksh files untar the tar files in both directories

4. As root, Un tar the EcsAssist (and Registry files) from the SOL8 or IRIX65 tar file. -- This replaces all the /tools/common/Registry, /tools/common/ea, and /tools/common/data/ea files. Even though this a 6A.07 version of the Registry it is 100% compatible with all of the 6A.06 code.

YOU MUST DO THIS FOR EACH MODE YOU INSTALL!!!!

5. cd <staging_area>/SOL8/CUSTOM/.installed/DMS/

6. Edit the .rgypatch as per the instructions in the .rgypatch. Verify the DefaultAttributesList is correct in both the .rgypatch and .cfgpatch files. Although you will see a lot of new parameters in the .rgypatch, these are all for future capabilities. You will notice those capabilities are disabled in the .cfgpatch and .rgypatch.
You must leave these parameters in the .cfgpatch and .rgypatch for the V0ToEcsGateway to start.

7. cd <staging_area>/SOL8/CUSTOM/.installed/PLS

8. Edit the .cfgpatch and .rgypatch for the OdMgr to set the appropriate ECSOperatorEmail and DEMOperatorEmail values (you will have to add a line to the .rgypatch for the DEMOperatorEmail for you DAAC or you can update the the first line).   You may also set the SetSoundAlert and SetChainHeadButton for the

PREditor as approprite for your DAAC. (Note the Read_only version of the PREditor does not use the SetSoundAlert parameter.)

9. Take down all of PDPS, the Registry, Registry GUI, and DMS (Dictionary, Maintenance Tool, and V0ToEcsGateway)

INSTALLATION:

Besure you editted the .rgypatch and .cfgpatches before you install.

Using EcsAssist install ONLY the packages listed at the top of this email message.

CONFIGURATION:

Congiuratioin changes for CLS

There are no changes for CLS

Configuration Changes for CSS

There are no changes for CSS.

Configuration Changes for PLS

1. Run the .rgypatch for PLS from the host where the OdMgr or PREditor is installed.   (You may also run the EcPlOdMgrMkcfg and EcPlPREditorMkcfg and EcPlPREditor_ReadOnlyMkcfg to keep the .CFG.(rgy) in sync with the Registry) The name of the .rgypatch file is /usr/ecs/<MODE>/CUSTOM/.installed/PLS/.rgypatch. (There are no other configuraion changes except those listed)

```
Parameter Name                  Recommended Value
DEMOperatorEmail                DAAC Configurable
Distribution Priority           High
SetSoundAlert                   Off
```

3. Run the .rgypatch for DMS on the host where the V0ToEcsGateway is installed (Again, you may run the EcDmV0ToEcsGatewayMkcfg to keep the .CFG(rgy) in sync with the Registry) -- There are no configuration changes for DDICT or the Maintenance Tool.

The following parameter has been updated for ASTER On-Demand via the Edge

Parameter Name   Default Value   Recommended Value

DefaultAttributesList   SizeMBECSDataGranule SP_AM_PATH_NO SP_AM_MISR_StartBlock   SP_AM_MISR_EndBlock ASTERMapProjecti
on GeometricDBVersion RadiometricDBVersion DAR_ID QACritAlertsCnt AQNonCritAlertsCnt SceneCloudCoverage Solar_Azimuth_Angle Solar_Elevation_Angle SWIR_Observ ationMode TIR_ObservationMode VNIR1_ObservationMode VNIR2_ObservationMode VNIRPointingAngle MinSolarZenithAngle LowConfidentClearPct CloudCoverFractionPct_VI S TileID QAPERCENTNOTPRODUCEDOTHER PERCENTLAND AscendingDescendingFlag VerParm_aer_model1 QAPERCENTGOODQUALITY QAPERCENTNOTPRODUCEDCLOUD QA_LL_QUAD_CCA QA_LR

_QUAD_CCA QA_UL_QUAD_CCA QA_UR_QUAD_CCA QA_SCENE_CCA BAND1_GAIN BAND2_GAIN BAND3_GAIN BAND4_GAIN BAND5_GAIN BAND6_GAIN_F1 BAND6_GAIN_F2 BAND7_GAIN BAND8_GAIN

QA_BAND1_PRESENT QA_BAND2_PRESENT QA_BAND3_PRESENT QA_BAND4_PRESENT QA_BAND5_PRESENT QA_BAND6_PRESENT_F1 QA_BAND6_PRESENT_F2 QA_BAND7_PRESENT QA_BAND8_PRESE

NT QA_SCENE_QUALITY SUN_AZIMUTH_ANGLE SUN_ELEVATION_ANGLE QA_FULL_OR_PARTIAL_SCENE LocalGranuleID AutomaticQualityFlag OperationalQualityFlag QAPercentMissin

gData QAPercentInterpolated QAPercentoutofBoundsData QAPercentCloudCover PGEVersion OperationMode AccessConstraints ProcessingCenter ScienceQualityFlag SP_ST ARTING_PATH SP_STARTING_ROW SP_ENDING_ROW ParentGranCollectionName STATION_ID Band1_Available Band2_Available Band3N_Available Band3B_Available Band4_Availab

le Band5_Available Band6_Available Band7_Available Band8_Available Band9_Available Band10_Available Band11_Available Band12_Available Band13_Available Band14 _Available

The following parmeters have been added for EDG Access to DataPool.

Parameter Name	Recommended Value
DPAccessLibraryName	SYBASE_CT
DPFtpPort	21
DPOffline	NO(turn access to DataPool via the EDG off)
DPDatabaseName	DataPool[_MODE]
DPHttpPort	2200X(depends on the mode being installed)
DPServerName	xxacgnn
DPHostName	xxdps01.yyyb.ecs.nasa.gov(where xx is applicable site machine and yyy is site location, ie; edc)

The following configurable parameters have been added for OMS Access.

Parameter Name	Recommended Value
OrderManagerHostAndPort	port number the last digit of the port number is 0 for OPS, 1 for TS1, 2 for TS2
OrderManagerStatus	Off(turns OMS Manager off)
DBMAXRESULTS	1500
DBNAME	EcOmDb(where EcOmDb is OPS mode, EcOmDb_TS1 is TST1 mode and EcOmDb_TS2 is TS2 mode)
DBPASSWDSEED	2000001
DBUSERNAME	EcDmV0ToEcsGateway
MAX_DB_CONNECTIONS	20
DSQUERY	xxacgnn_srvr(where xxacgnn is applicable server)
SDSRV_DB_MAX_JOINS	14
SDSRV_SYBASE_SERVER	xxacgnn_srvr(where xxx is applicable server location)

The following non- configurable parameters have been added for OMS Access.

Parameter Name	Recommended Value
SYBASE	${SYBASE}
SYBINTERFACES	${SYBASE}/interfaces

DSSSrUNIXEnv   {SYBASE DSQUERY}
DSSSrEnv_DB   {DBUSERNAME DBPASSWDSEED DBNAME DBMAXRESULTS SYBINTERFACES SDSRV_SYBASE_SERVER SDSRV_DB_MAX_JOINS}
DSSSrEnv   \\\$DSSSrEnv_DB

4. On the host where the the Registry GUI is installed bring up EcsAssist Subsystem Manager and run the Registry Patch to update the External Subsetter options in the Registry. Both the Aster On Demand via the EDG and the External Subsetter options are under the External Subsetter portion of the Registry tree.
The name of the Registry patch you should run is /usr/ecs/<MODE>/CUSTOM/.installed/CSS/Registry/.rgypatch.ExternalSubsetters (not the .rgypatch)   YOU MUST load this file into your Registry for the Aster On Demand via the EDG to work.

DATABASE PATCHES:

1. There is one new database patch. Your database should already be at patch version 6A30 (The last 6A.06 PLS database patch)   You must bring up EcsAssist on the host where the database packages is installed (e0pls01 or e0pls03) and apply the 6A701 database patch. This patch enables the Aster On Demand via EDG capability for PLS.

2. There are no Database patches for the Registry or for DMS.

POST INSTALLATION:

1. Bring up the Registry, PDPS, and DMS.

Test report will follow later.